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- (71) Applicant (*for all designated States except US*): OT-
TAWA HEALTH RESEARCH INSTITUTE [CA/CA];
725 Parkdale Avenue, Ottawa, Ontario K1Y 4E9 (CA).
- (72) Inventor; and
- (75) Inventor/Applicant (*for US only*): GRIFFITH, May
[CA/CA]; 5741 Mitch Owens Road, Ottawa, Ontario K1X
1C3 (CA).
- (74) Agent: MBM & CO.; P.O. Box 809, Station B, Ottawa,
Ontario K1P 5P9 (CA).
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(54) Title: INNERVATED ARTIFICIAL TISSUES AND USES THEREOF

(57) Abstract: A three dimensional, innervated artificial tissue comprising a bio-synthetic matrix is provided. The artificial tissue supports cell growth, including surface coverage and three-dimensional cell in-growth, as well as nerve in-growth. Methods of preparing the innervated artificial tissue and methods of innervating artificial tissues or tissue substitutes are also provided. The artificial tissue is useful for in vitro testing of various pharmaceutical, cosmetic and household products.

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